

Traffic Signal Technician I

DISTINGUISHING FEATURES

The fundamental reason the Traffic Signal Technician I position exists is to perform skilled and semi-skilled work in the installation, maintenance, and repair of signalized intersections, intelligent transportation systems and street lighting equipment in the Field Services Division of the Municipal Services Department. This classification does not supervise. Work is performed under general supervision of the Traffic Signal Supervisor.

ESSENTIAL FUNCTIONS

Performs the construction and maintenance of the City's traffic signals and street lights by installing underground conduit; constructing foundations; and installing poles, mast arms and traffic signal equipment. Installs electrical conductors and makes electrical connections.

Performs routine maintenance by changing bulbs, cleaning lenses and reflectors, and inspecting components; responds to trouble calls and troubleshoots traffic signal control systems; fabricates and installs electrical services, installs vehicle and pedestrian detection systems.

Paints traffic control hardware; checks light output and alignment of signal heads; and may revamp or modernize existing intersections by installing new equipment while existing signals are still in operation.

Operates jackhammers, lift trucks, concrete saws, hoists, cranes, auger truck and bucket truck.

Acts as a team player who works effectively with City staff and citizens.

Attendance and punctuality are essential functions of this position.

MINIMUM QUALIFICATIONS

Knowledge, Skills, and Abilities

Knowledge of:

Hazards and safety precautions associated with electricity; and of microprocessor based electronic equipment.

Ability to:

Understand and work from plans and drawings. Interpret assignments from blueprints, sketches, and work-orders.

Perform electrical and electronics work and work safely around heavy traffic and electricity.

Operate a variety of related heavy equipment including dump trucks, backhoes and loaders.

Operate a personal computer to check e-mail, enter productivity information, and complete timesheets.

Operate telephone and radio communications equipment properly.

Use visual and manual dexterity skills.

Work in extreme weather conditions; lift up to 75 pounds or more on an occasional basis; visually distinguish the full range of the color spectrum; and have the ability to climb up and down ladders; and bend and stoop repeatedly.

Skillfully maneuver small objects and operate a variety of field equipment.

Establish and maintain effective working relationships with co-workers, supervisors, other

departments and the general public.

Communicate effectively, both orally and in writing, with co-workers, supervisors, contractors and the general public.

Demonstrate the willingness to assume ownership in completion of assigned tasks.

Complete work orders, routes, time sheets and safety checklists in a complete and readable manner.

Maintain regular consistent attendance and punctuality.

Work a flexible schedule including evenings and weekends.

Education & Experience

Any combination of training and experience that demonstrates the ability to perform the work, including a high school diploma or GED, some construction experience and at least two years experience in the installation, maintenance and repair of traffic signals, or similar electrical equipment.

Requires possession of a valid Arizona Driver's License with no major driving citations in the last 39 months.

Special Requirements:

Must possess a Class "B" Commercial Driver's License with air brake endorsement.

Must be able to work an emergency call out schedule on nights and weekends.

Must have I.M.S.A. Traffic Signal Technician Level I Certification.

Individuals in this classification must possess a valid Arizona Commercial Driver's License (CDL) at the time of hire or promotion date. As a condition of continued employment, an individual of this classification must maintain a valid Arizona Commercial Driver's License (CDL) with appropriate endorsements and is subject to random, unannounced drug and alcohol testing to comply with the Department of Transportation (DOT) Federal Motor Carrier Safety Administration (FMCSA) regulations 49 Code of Federal Regulations (CFR) Part 382.

FLSA Status: Non-exempt

HR Ordinance Status: Classified